Amendment to the Claims

Please amend the claims to read as follows:

1. (Currently Amended) A sealed monolithic electrochromic system comprising:

~~a pattern of~~ a front plane consisting of at least one porous monolithic electrochemical cell ~~a porous structure~~ located on a substrate~~, which structure constitutes at least one monolithic electrochemical cell and~~ , said at least one porous monolithic electrochemical cell having a pattern and an edge surrounding said pattern, wherein said at least one porous monolithic electrochemical cell ~~and~~ comprises a working electrode, an insulating layer, [[and]] a counter electrode, and an electrolyte, wherein said electrolyte is absorbed into said at least one porous monolithic electrochemical cell; and

~~an electrolyte absorbed in said porous structure, wherein~~

a rear plane consisting of a sealing material that surrounds said at least one porous monolithic electrochemical cell and is located in said edge;

~~structure to form at least one sealed monolithic electrochemical system comprising a front plane consisting of said substrate and the porous structure and~~

wherein said front plane and rear plane are ~~heated and pressed together, and~~ sealed along the edge surrounding said pattern. ~~of the pattern of the porous structure by virtue of a plastic layer forming part of the sealing material being melted and joined together with said front plane~~.

Claims 2-15 (Cancelled)

16. (Currently Amended) A sealed monolithic electrochromic system comprising:

a substrate supporting ~~a pattern~~ at least one porous monolithic electrochemical cell, said porous monolithic electrochemical cell having a pattern~~, located on said substrate, of a porous structure which~~

wherein said at least one porous monolithic electrochemical cell comprises

a working electrode,

an insulating layer, [[and]]

a counterelectrode,

an electrolyte ~~absorbed in said porous structure forming at least one electrochemical cell~~, and

contacts for said working electrode and said counter electrode for interconnection with at least one electric circuit,

wherein said electrolyte is absorbed into each of said porous monolithic electrochemical cell; and

a sealing material comprising an adhesion ply of plastic and a laminate comprising at least an adhesion layer and a barrier layer, wherein the adhesion layer is placed over said adhesion ply,

wherein said sealing material is located on an edge of said pattern ~~said substrate~~ and ~~covering~~ covers each of said porous monolithic electrochemical cells. ~~structure, characterized in that the sealing material comprises an adhesion ply of plastic which is applied to said substrate and porous structure and a laminate comprising at least an adhesion layer and a barrier layer, in which, and in that said substrate, porous structure and sealing material are joined together to form a sealed monolithic electrochromic system by melting the substrate, the adhesion ply and the adhesion layer together~~.

17. (Previously Presented) The sealed monolithic electrochromic system as claimed in claim 16, characterized in that said barrier layer consists of a metal foil.

Claim 18 (Cancelled)